

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Southern Union Exploration Company

## 3. ADDRESS OF OPERATOR

First Internation Bldg., Suite 1800, Dallas, Texas 75270

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface  
800 FSL & 1840 FEL

At proposed prod. zone

Same as above

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

18 miles south of Farmington, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

800

## 16. NO. OF ACRES IN LEASE

520

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1840

## 19. PROPOSED DEPTH

1500 Ft.

## 20. ROTARY OR CABLE TOOLS\*

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6200 GL

## 22. APPROX. DATE WORK WILL START\*

9-17-79

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

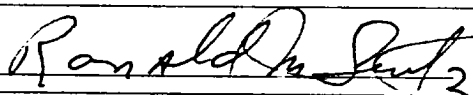
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 5/8	7"	20	350	CIRCULATE
5 1/2	2 7/8"	6.40	1500	760-Sacks

1. We propose to drill to 350 feet and set 7 inch surface, and cement to the surface.
2. Drill out with 5 1/2 to depth of 1500 feet, then run 2 7/8 tubing and cement to the surface.
3. The Pictured Cliffs Formation will be preforated and evaluated for gas production.
4. 1 1/4" tubing will be used to produce the well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED



TITLE

Drilling &  
Production Engineer

DATE

9/15/79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

imack